



# 6 AF 12681  
JL 8/15/01 S2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE RECEIVED

In re Application of )  
Peele )  
Serial No. 09/317,480 ✓ )  
Filed: May 24, 1999 ✓ )  
For: DYNAMIC CHANNEL ALLOCATION IN )  
A SECTORED CELL OF A CELLULAR )  
COMMUNICATION SYSTEM )  
Attorney's Docket No. P-4015.279 )

AUG 14 2001  
Technology Center 2600

E. Lockett  
Examiner  
Group Art Unit 2681

Raleigh, North Carolina  
August 6, 2001

enter  
upon  
timely  
submission  
of a Notice  
of Appeal and  
Appeal Brief  
with requisite  
fees

Box AF  
Director of Patents  
Washington, D.C. 20231

Response to FINAL Office Action of June 6, 2001

The Final Official Office Action dated 6 June 2001 in the above-identified application has been reviewed and Applicant submits the following remarks in response thereto.

RP 9/11/01

Remarks

Applicant notes that 10-20 are allowed. Claims 1-9 and 21-30 have been finally rejected.

The present invention of claims 1-9 and 21-30 comprises the dynamic allocation of channels within a sectored cell of a cellular communication network. Available channels are allocated in groups to particular cells based on any of a number of frequency reuse patterns. Each cell is divided into sectors, and the channels assigned to a cell are allocated in subgroups to the sectors. A controller local to each base station monitors the use of channels within cell sectors, and dynamically re-allocates one or more channels to a sector whose utilization exceeds a predetermined threshold, after